Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

l	Claim 1 (canceled).
l	2. (currently amended): A system according to Claim [[4]] 8, further
2	comprising:
3	a remote client recording a set of quality of life measures during the initial
ļ	time period;
5	the database storing the collected quality of life measures set into the
5	patient care record for the individual patient; and
7	the server receiving the quality of life measures set from the remote client,
3	and assimilating the collected quality of life measures set into the reference
•	baseline data stored in the patient care record.
l	3. (currently amended): A system according to Claim [[4]]. 8, further
2	comprising:
3	the medical device adapted to be implanted monitoring the individual
ļ	patient while the individual patient is performing a prescribed set of timed
5	physical stressors during the initial time period.
l	4. (currently amended): A system according to Claim [[4]] 8, further
2	comprising:
3	a programmer reprogramming at least one of pacing interventions and
ŀ	pacing modes of the medical device adapted to be implanted during the initial
5	time period; and
5	the medical device adapted to be implanted monitoring the individual
7	patient subsequent to the reprogramming during the initial time period.

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Response to First Office Action Docket No. 020.0336.US.CON

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1	5. (currently amended): A system according to Claim [[±]] g, number
2	comprising:
3	a feedback recorder recording feedback from the individual patient during
4	the initial time period;
5	the database storing the recorded feedback into the patient care record for
6	the individual patient; and
7	the server receiving the recorded feedback from the remote client, and
8	assimilating the recorded feedback into the reference baseline data stored in the
9	patient care record.
1	6. (original): A system according to Claim 5, wherein the feedback
2	recorder comprises at least one of an audio recorder, a digital camera, or a video
3	camera.
1	7. (currently amended): A system according to Claim [[1]] 8. further
2	comprising:
3	a set of acceptance parameters stored within the database with each
4	acceptance parameter corresponding to the same type of patient information to
5	which at least one of the reference measures relates;
6	the server further comprising:
7	an evaluation module analyzing the reference measures set for
8	each patient care record against the acceptance parameters set; and
9	an acceptance module identifying each patient care record storing a
10	reference measures set having at least one reference measure substantially non-
11	conforming to the corresponding acceptance parameter.
1	8. (currently amended): A system according to Claim 1, the
2 .	application server further for determining a reference baseline of patient
3	information for automated remote patient care, comprising:
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4	a medical device regularly recording and storing measures sets comprising
5	individual measures which each relate to patient information by a medical device
6	adapted to be implanted for an individual patient during an initial time period;
7	a database collecting one or more patient care records, comprising:
8	one or more patient care records which each comprise a plurality
9	of the collected measures sets;
10	a database module storing the collected measures set into a patient
11	care record for the individual patient within the database; and
12	a server, comprising:
13	a receiver receiving the collected device measures set from the
14	medical device adapted to be implanted; and
15	an analysis module processing the collected device measures set into a set
16	of reference measures, each reference measure being representative of at least one
17	of measured or derived patient information, storing the reference measures set
18	into the patient care record as data in a reference baseline indicating an initial
19	patient status and analyzing one or more collected device measures sets in the
20	patient care record for the individual patient relative to the reference measures
21	sets in the reference baseline to determine a patient status indicator.
1	9. (currently amended): A system according to Claim 8, the
2	application server further comprising:
3	the analysis module analyzing one or more of the collected device
4	measures sets in the patient care record for the individual patient relative to one or
5	more other collected device measures sets stored in the database to further
6	determine the patient status indicator.
1	10. (currently amended): A system according to Claim [[4]] 8, wherein
2	each of the set of reference measures is selected from the group comprising
3	patient activity score, posture, atrial electrical activity, ventricular electrical
4	activity, cardiovascular pressures, cardiac output, oxygenation, pulmonary
5	measures, body temperature, PR interval, QRS measures, QT interval, ST-T wave

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6	measures, potassium [K+] level, sodium [Na+] level, glucose level, blood urea
7	nitrogen and creatinine, acidity (pH) level, hematocrit, hormonal levels, cardiac
8	injury chemical tests, myocardial blood flow, central nervous system injury
9	chemical tests, central nervous system (CNS) blood flow, and time of day and
10	combinations and derivatives thereof.
1	Claim 11 (canceled),
1	12. (currently amended): A method according to Claim [[11]] 18.
2	further comprising:
3	receiving a set of quality of life measures recorded by the individual
4	patient during the initial time period;
5	storing the collected quality of life measures set into the patient care
6	record for the individual patient within the database; and
7	assimilating the collected quality of life measures set into the reference
8	baseline data stored in the patient care record.
1	13. (currently amended): A method according to Claim [[44]] 18,
2	further comprising:
3	monitoring the individual patient using the medical device adapted to be
4	implanted while the individual patient is performing a prescribed set of timed
5	physical stressors during the initial time period.
1	14. (currently amended): A method according to Claim [[41]] 18,
2	further comprising:
3	reprogramming at least one of pacing interventions and pacing modes of
4	the medical device adapted to be implanted during the initial time period; and
5	monitoring the individual patient using the medical device adapted to be
6	implanted subsequent to the reprogramming during the initial time period.
1	15. (currently amended): A method according to Claim [[41]] 18.
2	further comprising:

3	receiving feedback recorded by the individual patient during the initial
4	time period which is interfaced to the server;
5	storing the recorded feedback into the patient care record for the
6	individual patient within the database; and
7	assimilating the recorded feedback into the reference baseline data stored
8	in the patient care record.
1	16. (original): A method according to Claim 15, wherein the feedback
2	comprises at least one of audio, digitized imagery, or video feedback.
1	17. (currently amended): A method according to Claim [[41]] 18.
2	further comprising:
3	defining a set of acceptance parameters with each acceptance parameter
4	corresponding to the same type of patient information to which at least one of the
5	reference measures relates;
6	analyzing the reference measures set for each patient care record against
7	the acceptance parameters set; and
8	identifying each patient care record storing a reference measures set
9	having at least one reference measure substantially non-conforming to the
10	corresponding acceptance parameter.
1	18. (currently amended): A method according to Claim 11, further for
2	determining a reference baseline of patient information for automated remote
3	patient care, comprising:
4	regularly recording and storing measures sets comprising individual
5	measures which each relate to patient information by a medical device adapted to
6	be implanted for an individual patient during an initial time period;
7	receiving the collected device measures set from the medical device
8	adapted to be implanted;
9	collecting one or more patient care records into a database, comprising:
10	organizing one or more patient care records which each comprise a
11	plurality of the collected measures sets?

12	storing the collected measures set into a patient care record for the
13	individual patient within the database;
14	processing the collected device measures set into a set of reference
15	measures, each reference measure being representative of at least one of measured
16	or derived patient information, and storing the reference measures set into the
17	patient care record as data in a reference baseline indicating an initial patient
18	status; and
19	analyzing one or more collected device measures sets in the patient care
20	record for the individual patient relative to the reference measures sets in the
21	reference baseline to determine a patient status indicator.
1	19. (original): A method according to Claim 18, further comprising:
2	analyzing one or more of the collected device measures sets in the patient
3	care record for the individual patient relative to one or more other collected
4	device measures sets stored in the database to further determine the patient status
5	indicator.
1	20. (currently amended): A method according to Claim [[14]] 18,
2	wherein each of the set of reference measures is selected from the group
3	comprising patient activity score, posture, atrial electrical activity, ventricular
4	electrical activity, cardiovascular pressures, cardiac output, oxygenation,
5	pulmonary measures, body temperature, PR interval, QRS measures, QT interval,
6	ST-T wave measures, potassium [K+] level, sodium [Na+] level, glucose level,
7	blood urea nitrogen and creatinine, acidity (pH) level, hematocrit, hormonal
8	levels, cardiac injury chemical tests, myocardial blood flow, central nervous
9	system injury chemical tests, central nervous system (CNS) blood flow, and time
10	of day and combinations and derivatives thereof.
1	21. (original): A computer-readable storage medium holding code for
2	determining a reference baseline of patient information for automated remote
3	patient care, comprising:

4	code for regularly recording and storing measures sets comprising
5	individual measures which each relate to patient information by a medical device
6	adapted to be implanted for an individual patient during an initial time period;
7	code for receiving the collected device measures set from the medical
8	device adapted to be implanted;
9	code for collecting one or more patient care records into a database,
10	comprising:
11	code for organizing one or more patient care records which each
12	comprise a plurality of the collected measures sets;
13	code for storing the collected measures set into a patient care
14	record for the individual patient within the database; and
15	code for processing the collected device measures set into a set of
16	reference measures, each reference measure being representative of at least one of
17	measured or derived patient information, and storing the reference measures set
18	into the patient care record as data in a reference baseline indicating an initial
19	patient status.
1	22. (original): A storage medium according to Claim 21, further
2	comprising:
3	code for receiving a set of quality of life measures recorded by the
4	individual patient during the initial time period;
5	code for storing the collected quality of life measures set into the patient
6	care record for the individual patient within the database; and
7	code for assimilating the collected quality of life measures set into the
8	reference baseline data stored in the patient care record.
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1	23. (original): A storage medium according to Claim 21, further
2	comprising:
3	code for monitoring the individual patient using the medical device
4	adapted to be implanted while the individual patient is performing a prescribed set
5	of timed physical stressors during the initial time period.

1	 (original): A storage medium according to Claim 21, fi 	ırther
2	comprising:	
3	code for reprogramming at least one of pacing interventions a	nd pacing
4	modes of the medical device adapted to be implanted during the initia	l time
5	period; and	
б	code for monitoring the individual patient using the medical d	evice
7	adapted to be implanted subsequent to the reprogramming during the	initial time
8	period.	
1	25. (original): A storage medium according to Claim 21, fi	irther
2	comprising:	
3	code for receiving feedback recorded by the individual patient	during the
4	initial time period;	
5	code for storing the recorded feedback into the patient care rec	ord for the
6	individual patient within the database; and	
7	code for assimilating the recorded feedback into the reference	baseline
8	data stored in the patient care record.	
1	26. (original): A storage medium according to Claim 21, for	ırther
2	comprising:	
3	code for defining a set of acceptance parameters with each acc	eptance
4	parameter corresponding to the same type of patient information to wi	hich at leas
5	one of the reference measures relates;	
6	code for analyzing the reference measures set for each patient	care record
7	against the acceptance parameters set; and	•
8	code for identifying each patient care record storing a reference	e measures
9 .	set having at least one reference measure substantially non-conformin	g to the
10	corresponding acceptance parameter.	
1	27. (original): A storage medium according to Claim 21, for	ırther
2	comprising:	

3	code for analyzing one or more collected device measures sets in the
4	patient care record for the individual patient relative to the reference measures
5	sets in the reference baseline to determine a patient status indicator.
1	28. (original): A storage medium according to Claim 21, further
2	comprising:
3	code for analyzing one or more of the collected device measures sets in
4	the patient care record for the individual patient relative to one or more other
5	collected device measures sets stored in the database to further determine the
6	patient status indicator.
1	29. (original): A system for monitoring a patient status for using a
2	reference baseline for automated remote patient care, comprising:
3	a server, comprising:
4	a processing module processing a set of collected measures
5	regularly recorded by a medical device adapted to be implanted in an individual
6	patient into a set of reference measures and storing the reference measures set in a
7	reference baseline indicating an initial patient status, the collected device
8	measures set comprising individual measures which each relate to patient
9	information recorded by the medical device throughout an initial time period,
10	each reference measure being representative of at least one of measured or
11	derived patient information; and
12	an analysis module periodically receiving a set of collected
13	measures from the medical device, the collected device measures set comprising
14	individual measures which each relate to patient information recorded by the
15	medical device subsequent to the initial time period, and comparing one or more
16	of the subsequently collected device measures sets in the patient care record to the
17	reference measures set and identifying any such subsequently collected measure
18	substantially non-conforming to the corresponding reference measure; and

19	a database storing the patient care record, including the subsequently
20	collected device measures set into the patient care record for the individual
21	patient.
	30. (currently amended): A system according to Claim 29, the
1	(10.000)
2	application server further comprising:
3	an analysis module analyzing one or more of the subsequently collected
4	device measures sets in the patient care record for the individual patient relative to
5	one or more other subsequently collected device measures sets stored in the
б	database to determine a patient status indicator.
1	31. (currently amended): A system according to Claim [[29]] 30, the
2	application server further comprising:
3	a feedback module providing automated feedback based on the patient
4	status indicator to the individual patient over a feedback communications link
5	configured between the server and a feedback client.
1	32. (original): A system according to Claim 29, further comprising:
2	the server receiving initially feedback recorded by the individual patient
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4	during the initial time period and receiving feedback recorded by the individual patient subsequent to the initial time period;
5	- ·
6	the database storing the initially recorded feedback as reference feedback
7	into the patient care record for the individual patient within the database and
	storing the subsequently recorded feedback into the patient care record for the
8	individual patient; and
9	the analyzing module comparing the subsequently recorded feedback to
10	the reference feedback in the patient care record and identifying any such
11	subsequently recorded feedback substantially non-conforming to the reference
12	feedback.
1	33. (original): A system according to Claim 32, wherein the patient
2	feedback comprises at least one of audio, digitized imagery, or video feedback.

1	34. (currently amended): A system according to Claim 29, further
2	comprising:
3	the application server further comprising a reevaluation module processing
4	a new set of collected measures recorded by a medical device adapted to be
5	implanted in an individual patient into a new set of reference measures, the new
6	collected device measures set comprising individual measures which each relate
7	to patient information recorded by the medical device adapted to be implanted
8	subsequent to the initial time period, each new reference measure being
9	representative of at least one of measured or derived patient information; and
10	the database storing the new reference measures set into the patient care
11	record as a new reference baseline indicating a revised patient status.
1	35. (currently amended): A system according to Claim 29, further
2	comprising:
3	the database storing an initial set of quality of life measures recorded by
4	the individual patient during the initial time period into the patient care record
5	within the database and storing a subsequently collected quality of life measures
6	set received by the server into the patient care record for the individual patient;
7	the application server assimilating the initial quality of life measures set
8	into the reference baseline data stored in the patient care record; and
9	the application server comparing one or more of the subsequently
10	collected quality of life measures to the initial quality of life measures in the
11	reference measures set and identifying any such subsequently collected quality of
12	life measure substantially non-conforming to the corresponding quality of life
13	reference measure.
1	36. (currently amended): A system according to Claim 29, the
2	application server further comprising:
3	a monitoring module monitoring the individual patient using the medical
4	device adapted to be implanted while the individual patient is performing a
5	prescribed set of timed physical stressors during the initial time ported

1	37. (original): A system according to Claim 36, wherein the prescribed
2	set of activities are representative of substantially normal activity, further
3	comprising:
4	the server determining relative abnormal activity response based on any
5	subsequently collected measure identified as being substantially non-conforming
6	to the corresponding reference measure.
1	38. (original): A system according to Claim 36, wherein the prescribed
2	set of activities are representative of substantially normal exercise, further
3	comprising:
4	the server determining relative abnormal exercise response based on any
5	subsequently collected measure identified as being substantially non-conforming
6	to the corresponding reference measure.
1	39. (original): A system according to Claim 29, wherein the reference
2	measures set comprises at least one of the following: patient activity score,
3	posture, atrial electrical activity, ventricular electrical activity, cardiovascular
4	pressures, cardiac output, oxygenation, pulmonary measures, body temperature,
5	PR interval, QRS measures, QT interval, ST-T wave measures, potassium [K+]
6	level, sodium [Na+] level, glucose level, blood urea nitrogen and creatinine,
7	acidity (pH) level, hematocrit, hormonal levels, cardiac injury chemical tests,
8	myocardial blood flow, central nervous system injury chemical tests, central
9	nervous system (CNS) blood flow, and time of day and combinations and
10	derivatives thereof.
1	40. (original): A method for monitoring a patient status for using a
2	reference baseline for automated remote patient care, comprising:
3	processing a set of collected measures regularly recorded by a medical
4	device adapted to be implanted in an individual patient into a set of reference
5	measures and storing the reference measures set in a reference baseline indicating
6	an initial patient status, the collected device measures set comprising individual

7	measures which each relate to patient information recorded by the medical device
8	throughout an initial time period, each reference measure being representative of
9	at least one of measured or derived patient information;
10	periodically receiving a set of collected measures from the medical device,
11	the collected device measures set comprising individual measures which each
12	relate to patient information recorded by the medical device subsequent to the
13	initial time period;
14	comparing one or more of the subsequently collected device measures sets
15	in the patient care record to the reference measures set and identifying any such
16	subsequently collected measure substantially non-conforming to the
17	corresponding reference measure; and
18	storing the patient care record in a database, including the subsequently
19	collected device measures set into the patient care record for the individual
20	patient.
1	41. (original): A method according to Claim 40, further comprising
2	(ongana)
3	analyzing one or more of the subsequently collected device measures sets
4	in the patient care record for the individual patient relative to one or more other
5	subsequently collected device measures sets stored in the database to determine a
3	patient status indicator.
1	42. (currently amended): A method according to Claim [[49]] 41,
2	further comprising:
3	providing automated feedback based on the patient status indicator to the
4	individual patient over a feedback communications link configured between a
5	server and a feedback client.
1	43. (original): A method according to Claim 40, further comprising:
2	receiving feedback recorded by the individual patient during the initial
3	time period and storing the recorded feedback as reference feedback into the
4	patient care record for the individual patient within the database;
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5	receiving reedback recorded by the motivious patient subsequent to the
6	initial time period;
7	storing the subsequently recorded feedback into the patient care record for
8	the individual patient within the database; and
9	comparing the subsequently recorded feedback to the reference feedback
10	in the patient care record and identifying any such subsequently recorded
11	feedback substantially non-conforming to the reference feedback.
1	44. (original): A method according to Claim 43, wherein the patient
2	feedback comprises at least one of audio, digitized imagery, or video feedback.
1	45. (original): A method according to Claim 40, further comprising:
2	processing a new set of collected measures recorded by the medical device
3	into a new set of reference measures and storing the new reference measures set
4	into the patient care record as a new reference baseline indicating a revised patien
5	status, the new collected device measures set comprising individual measures
6	which each relate to patient information recorded by the medical device adapted
7	to be implanted subsequent to the initial time period, each new reference measure
8	being representative of at least one of measured or derived patient information.
1	46. (original): A method according to Claim 40, further comprising:
2	storing a set of quality of life measures recorded by the individual patient
3	during the initial time period into the patient care record and assimilating the
4	quality of life measures into the reference baseline data stored in the patient care
5	record;
6	receiving a quality of life measures set recorded by the individual patient
7	subsequent to the initial time period;
8	storing the subsequently collected quality of life measures set into the
9	patient care record for the individual patient within the database; and
10	comparing one or more of the subsequently collected quality of life
11	measures to the quality of life measures in the reference measures set and

12	identifying any such subsequently collected quality of life measure substantially
13	non-conforming to the corresponding quality of life reference measure.
1	47. (original): A method according to Claim 40, further comprising:
2 ·	monitoring the individual patient using the medical device adapted to be
3	implanted while the individual patient is performing a prescribed set of timed
4	physical stressors during the initial time period.
1	48. (original): A method according to Claim 47, wherein the
2	prescribed set of activities are representative of substantially normal activity,
3	further comprising:
4	determining relative abnormal activity response based on any
5	subsequently collected measure identified as being substantially non-conforming
6	to the corresponding reference measure.
1	49. (original): A method according to Claim 47, wherein the
2	prescribed set of activities are representative of substantially normal exercise,
3	further comprising:
4	determining relative abnormal exercise response based on any
5	subsequently collected measure identified as being substantially non-conforming
б	to the corresponding reference measure.
1	50. (original): A method according to Claim 40, wherein the reference
2	measures set comprises at least one of the following: patient activity score,
3	posture, atrial electrical activity, ventricular electrical activity, cardiovascular
4	pressures, cardiac output, oxygenation, pulmonary measures, body temperature,
5	PR interval, QRS measures, QT interval, ST-T wave measures, potassium [K+]
6	level, sodium [Na+] level, glucose level, blood urea nitrogen and creatinine,

derivatives thereof.

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9 10 acidity (pH) level, hematocrit, hormonal levels, cardiac injury chemical tests, myocardial blood flow, central nervous system injury chemical tests, central

nervous system (CNS) blood flow, and time of day and combinations and

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Response to First Office Action Docket No. 020.0336.US.CON

1	51. (original): A computer-readable storage medium holding code for
2	monitoring a patient status for using a reference baseline for automated remote
3	patient care, comprising:
4	code for processing a set of collected measures regularly recorded by a
5	medical device adapted to be implanted in an individual patient into a set of
б	reference measures and storing the reference measures set in a reference baseline
7	indicating an initial patient status, the collected device measures set comprising
8	individual measures which each relate to patient information recorded by the
9	medical device throughout an initial time period, each reference measure being
10	tepresentative of at least one of measured or derived patient information;
11	code for periodically receiving a set of collected measures from the
12	medical device, the collected device measures set comprising individual measures
13	which each relate to patient information recorded by the medical device
14	subsequent to the initial time period;
15	code for comparing one or more of the subsequently collected device
16	measures sets in the patient care record to the reference measures set and
17	identifying any such subsequently collected measure substantially non-
1.8	conforming to the corresponding reference measure; and
19	code for storing the patient care record in a database, including the
20	subsequently collected device measures set into the patient care record for the
21	individual patient.
1	52. (original): A storage medium according to Claim 51, further
2	comprising:
. 3	code for analyzing one or more of the subsequently collected device
4	
5	measures sets in the patient care record for the individual patient relative to one or
6	more other subsequently collected device measures sets stored in the database to determine a patient status indicator.
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52, further comprising:

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(currently amended): A storage medium according to Claim [[54]]

3	code for providing automated feedback based on the patient status
4	indicator to the individual patient over a feedback communications link
5	configured between the server and a feedback client.
1	54. (currently amended): A storage medium according to Claim 51,
2	further comprising:
3	code for storing receiving feedback recorded by the individual patient
4	during the initial time period which is interfaced to the server and storing the
5	recorded feedback as reference feedback into the patient care record for the
б	individual patient within the database;
7	code for receiving feedback recorded by the individual patient subsequent
8	to the initial time period which is interfaced to the server;
9	code for storing the subsequently recorded feedback into the patient care
10	record for the individual patient within the database; and
11	code for comparing the subsequently recorded feedback to the reference
12	feedback in the patient care record and identifying any such subsequently
13	recorded feedback substantially non-conforming to the reference feedback.
1	55. (original): A storage medium according to Claim 51, further
2	comprising:
3	code for processing a new set of collected measures recorded by a medical
4	device adapted to be implanted in an individual patient into a new set of reference
5	measures and storing the new reference measures set into the patient care record
6	as a new reference baseline indicating a revised patient status, the new collected
7	device measures set comprising individual measures which each relate to patient
8	information recorded by the medical device adapted to be implanted subsequent
9	to the initial time period, each new reference measure being representative of at
10	least one of measured or derived patient information.
1	56. (original): A storage medium according to Claim 51, further

comprising:

3	code for storing a set of quality of life measures recorded by the individual
4	patient during the initial time period into the patient care record and assimilating
5	the quality of life measures into the reference baseline data stored in the patient
6	care record;
7	code for receiving a quality of life measures set recorded by the individual
8	patient subsequent to the initial time period which is interfaced to the server;
9	code for storing the subsequently collected quality of life measures set into
10	the patient care record for the individual patient within the database; and
11	code for comparing one or more of the subsequently collected quality of
12	life measures to the quality of life measures in the reference measures set and
13	identifying any such subsequently collected quality of life measure substantially
14	non-conforming to the corresponding quality of life reference measure.
1	57. (original): A storage medium according to Claim 51, further
2	comprising:
3	code for monitoring the individual patient using the medical device while
4	the individual patient is performing a prescribed set of timed physical stressors
5	during the initial time period.
1	58. (original): A storage medium according to Claim 57, wherein the
2	prescribed set of activities are representative of substantially normal activity,
3	further comprising:
4	code for determining relative abnormal activity response based on any
5	subsequently collected measure identified as being substantially non-conforming
6	to the corresponding reference measure.
1	59. (original): A storage medium according to Claim 57, wherein the
2	prescribed set of activities are representative of substantially normal exercise,
3	further comprising:
4	code for determining relative abnormal exercise response based on any
5	subsequently collected measure identified as being substantially non-conforming
б	to the corresponding reference measure.